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# Fall MRS 2003: Actinides Symposium

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November 24, 2003

2003 MRS Fall Meeting  
Boston, MA, United States  
December 1, 2003 through December 5, 2003

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## Fall MRS 2003:Actinides Symposium

- Symposium Co-Chairs
  - James G. Tobin, LLNL-Livermore, CA
  - John Joyce, LANL-Los Alamos, NM
  - Malcolm F. Nicol, U. of Nevada- Las Vegas
  - David Shuh, LBNL-Berkeley, CA
  - Lynn Soderholm, ANL-Chicago, IL
- The focus was on fundamental actinide science and its role.
- History- none except the Nuclear Waste Management Symposia
- Joint Sessions- none but we are open to it in the future.
- Tutorials- none but we are open to it in the future.
- 3 days: 16 Invited talks; 36 Contributed Talks; 10 Posters

## Fall MRS 2003:Actinides Symposium

- Symposium Title: Actinides: Basic Science, Applications and Technology
- Session Topics
  - Actinide: Phase Stability, Transformations and Aging
  - Phononic and Electronic Structure
  - Actinides and the Environment
  - Actinide Solution and Interfacial Chemistry
  - Actinide Science and Technology Poster Session
  - Theory of Actinides: Elemental Phases, Alloys and Compounds
  - Superconductivity, Correlated Behavior and Quantum Criticality
- Proceedings book: yes
- Funding- LLNL and LANL

## Fall MRS 2003:Actinides Symposium

- Next proposed symposium: Spring 2004 MRS in San Francisco, CA, USA
- Proposed Cycle: 1.5 Years, alternating between Boston and San Francisco
- Invited Speakers?
- Proceedings?
- Possible Oral Session Topics?
  - behavior under extreme conditions such as high pressures
  - fundamental physical properties
  - theory, calculations and simulations
  - synchrotron-radiation-based investigations
  - waste form materials science
  - solution chemistry
  - separation science
  - electronic and magnetic properties and their relationship to physical structure
  - synthetic methods
  - optical properties
  - heavy element research
  - environment/remediation

**We need your input and feedback!!!!**

## Fall MRS 2003:Actinides Symposium

We wish to thank the following  
for providing funding for the  
Fall 2003 Actinides Symposium

- The Chemistry and Materials Science Directorate of Lawrence Livermore National Laboratory
- The Enhanced Surveillance Campaign, Materials Science Division, and Seaborg Institute of Los Alamos National Laboratory